ABSTRACT

A method for the automatic layout of switched networks of switched network topologies. In representative embodiments, the present patent document discloses

5   methods for intelligently and automatically laying out the topologies of switched networks. Previous methods for laying out the topologies of switched networks have relied upon creating a segment for each and every switch port connected to a node and upon creating a segment for each port of a switching device that is connected to a port of another switching device. In complex networks the proliferation of segments which will

10   change as nodes are added to and removed from the network rapidly becomes unmanageable. Considerable simplification of the topological map can be obtained by combining various segments into one of three segment types, a bus segment, a serial segment, and a star segment, disclosed in the present document. In the creation of the topological map of network, the disclosed methods are frugal in their utilization of

15   network resources and can easily be used to update the network map as changes occur.